

[Document Name] Specification

[Title of the Invention] Coated Separator, Process for the Production of the Same, and Electrical and Electronic Parts in which the Same Is Used

5 [Claims]

[Claim 1] A separator for electrical and electronic parts which is coated with at least one substance selected from ionic substances, hydroxyl group-containing substances and silicon compounds.

10 [Claim 2] A separator of claim 1 wherein said ionic substances are selected from calcium carbonate, calcium chloride, anhydrous calcium chloride, calcium oxide, sodium chloride, sodium sulfate, anhydrous sodium sulfate, sodium sulfite, copper sulfate, anhydrous copper sulfate, aluminum sulfate and sodium carboxymethylcellulose.

15 [Claim 3] A separator of claim 1 wherein said hydroxyl group-containing substances are selected from alcohols, glycols and polysaccharides.

20 [Claim 4] A separator of claim 1 wherein said silicon compounds are selected from silica gel, silica sol, silica and zeolite.

25 [Claim 5] A separator of claim 1 which is selected from paper, non-woven fabric, fine porous film and a composite thereof.

30 [Claim 6] A separator of claim 1 which is made from a material selected from aramid, polyester, polypropylene, polyethylene, polyphenylene sulfide, fluoroplastic, polyvinyl alcohol, PBO (poly-para-phenylene benzobisoxazole), polyimide, glass, carbon, alumina, natural fiber and natural pulp.

[Claim 7] A separator of claim 1 which is subjected to heat treatment before and/or after coated.